

# GCF or LCM? Practice

Name \_\_\_\_\_

You can use these clues to help you decide when to find the GCF and when to find the LCM.

Greatest Common Factor			Least Common Multiple		
biggest	both	divide	first	both	something is repeated
largest	identical	groups	smallest	identical	every ___ days
most	same	spl't up	next time	same	every ___ hours
maximum	equal		minimum	equal	

**Carefully read each problem. Decide if the situation calls for the GCF or the LCM. Find the solution.**

A choir director at your school wants to divide the choir into smaller groups. There are 24 sopranos, 60 altos, and 36 tenors. Each group will have the same number of each type of voice. What is the greatest number of groups that can be formed?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution:

Mary and Nancy work at a calculator producing factory. It is their job to inspect the calculators to make sure that they are working, before the calculators are shipped to stores. If Mary inspects every twelfth calculator and Nancy inspects every ninth calculator, which calculator will be the first that they both inspect?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution:

There are 100 seniors and 80 juniors in the Homecoming Parade. The students split up into groups of equal size, to fit on the parade floats. They want the most students possible on each float, with just juniors or just seniors on each float. How many students should be on each float?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution:

# GCF or LCM? Homework

Name \_\_\_\_\_

You can use these clues to help you decide when to find the GCF and when to find the LCM.

Greatest Common Factor			Least Common Multiple		
biggest	both	divide	first	both	something is repeated
largest	identical	groups	smallest	identical	every ____ days
most	same	split up	next time	same	every ____ hours
maximum	equal		minimum	equal	

Carefully read each problem. Decide if the situation calls for the GCF or the LCM. Find the solution.

One trip around a running track is 440 yards. One jogger can complete one lap in 8 minutes, the other can complete it in 6 minutes. How many minutes will pass until the next time both joggers to arrive at their starting point together if they start at the same time and maintain their jogging pace?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution:

Mr. Smith waters one of his plants every 10 days and another plant every 14 days. If he waters both plants today, when is the next time both plants will be watered on the same day?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution:

Seth has 15 cans of regular soda and 20 cans of diet soda. He wants to create some identical refreshment tables that will operate during the high school football game. He also doesn't want to have any sodas left over. What is the greatest number of refreshment tables that Seth can stock?

GCF or LCM? (circle one)

At least 2 clues that helped me decide were:

Here is my work and my solution: